



# Energy House EV Workshop

Will Swan

University of Salford



University of  
**Salford**  
MANCHESTER

# ENERGY HOUSE LABS

ENERGY  
HOUSE

THERMAL  
MEASUREMENT  
LABORATORY

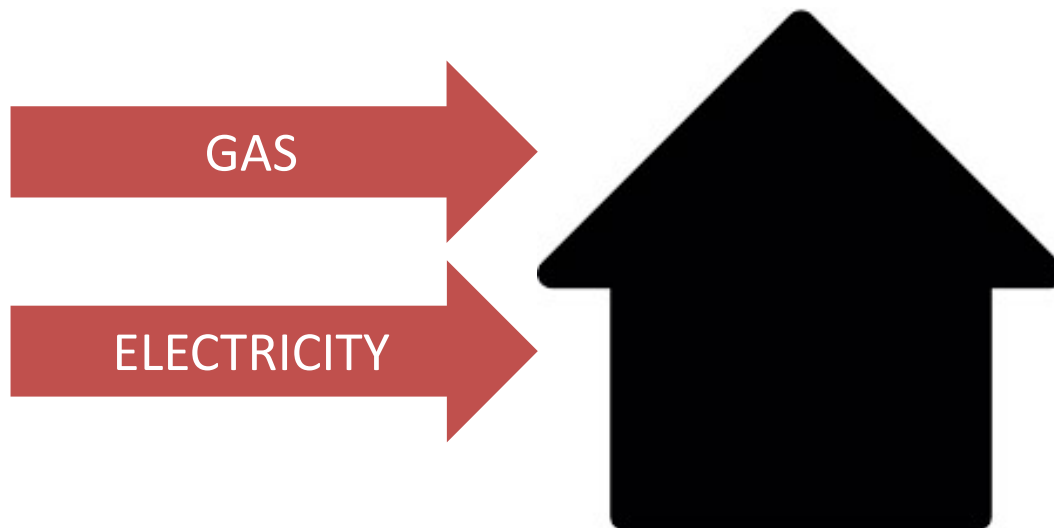
SMART METERS > SMART  
HOMES  
LAB

ENERGY  
HOUSE 2.0



# PREVALENT MODEL

Simple model we were working to

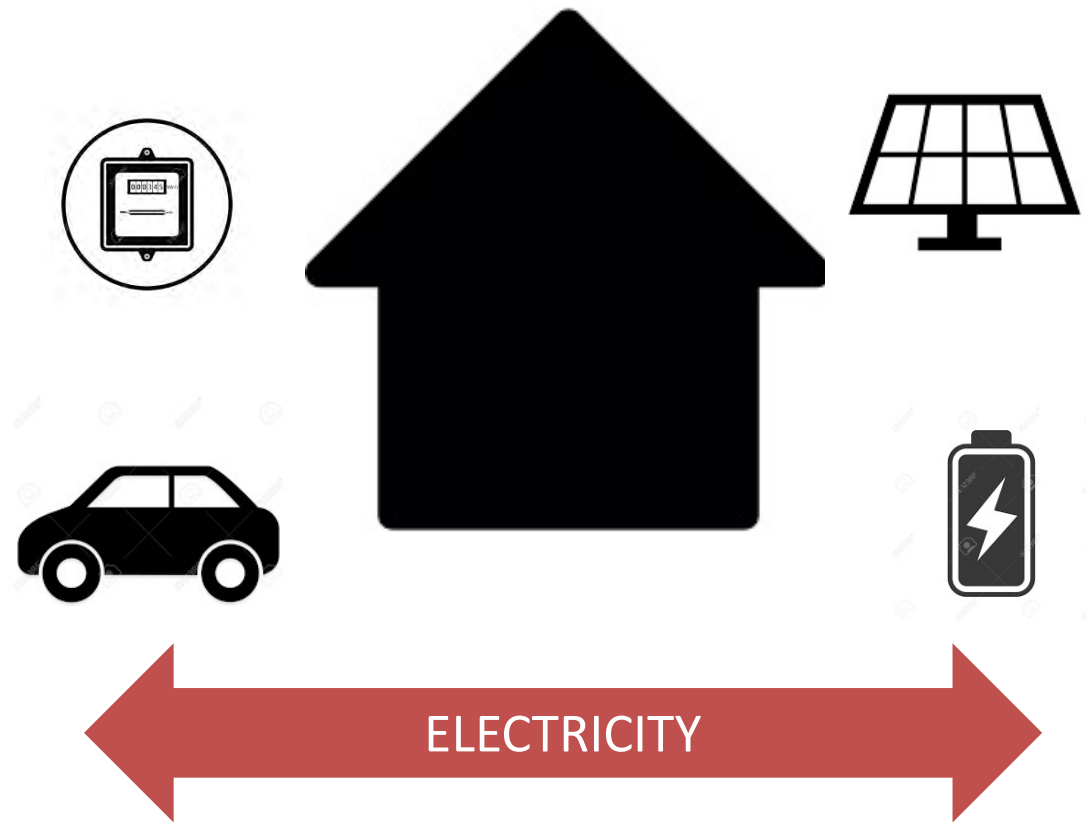


**SIMPLE  
CONSUMER**

# New Energy Systems

## NEW MODEL

Emerging view of  
domestic energy



# HAVEN



## FUTURE DOMESTIC SYSTEMS

- Integrated "assets" working together
- Variable tariffs (Octopus Agile)
- Other trading options – network services, peer to peer, demand side response

# HAVEN



## FUTURE DOMESTIC SYSTEMS CONTROL

- Smart control
- Internet of Things - sensors
- Smart Meter Infrastructure
- Data analytics
  
- Operating as a complex dynamic system
- Consumer?????

# ENERGY HOUSE 2.0





Will Swan  
University of Salford

w.c.swan@salford.ac.uk

